IN THE CLAIMS

Please cancel claims 4, 10, 15, 39, and 48-51 without prejudice.

Please amend claims 1, 6-9, 11-14, 19, 21-22, 30-31, 35, 40-43, and 46 as follows below.

Please add new claims 52-61 as follows below.

MARKED-UP CLAIMS

1	1. (Currently Amended) A light comprising:
2	a circuit board including one or more light
3	emitting diodes (LEDs) to generate photons, each of the
4 .	one or more light emitting diodes (LEDs) having an
5	optical axis;
6	a rotatable acrylic rod having a first end,
7	[[and]] a second end, a central optical axis, and a
8	reflective strip along a substantial length thereof,
9	the reflective strip to reflect photons outwards
10	through the rotatable acrylic rod towards a direction
11	the rotatable-acrylic-rod to rotate to change a
12	direction of radiation-of-light, a first circuit board
13	including one or more light emitting diodes (LEDs) to
14	generate photons, an optical axis of each of the one or
15	more light emitting diodes (LEDs) substantially in
16	parallel with a central optical axis of the rotatable
17	acrylic rod; and
18	a first end housing having a first <u>an</u> opening
19	through which the first end of the rotatable acrylic
20	rod is inserted, the rotatable acrylic rod being
21	rotatable within the opening of the first end housing

22 to change the direction of the reflected photons, the 23 first-end housing to house the [[first]] circuit board 24 and align the one or more light emitting diodes (LEDs) 25 of the [[first]] circuit board with the [[first]] 26 opening and the first end of the rotatable acrylic rod 27 such that the optical axis of each of the one or more 28 light emitting diodes (LEDs) is substantially in 29 parallel with the central optical axis of the rotatable 30 acrylic rod. 1 (Previously Presented)
 The light of claim 1, 2 wherein 3 the rotatable acrylic rod is clear. 1 (Previously Presented) The light of claim 1, 2 wherein 3 the rotatable acrylic rod is cylindrical. 1 4. (Cancelled) The light of claim 1, further 2 comprising: 3 a second circuit board including one or more light 4 emitting diodes (LEDs) to generate photons; and 5 a second end housing having a second opening 6 through which the second end of the rotatable acrylic 7 rod is inserted, the second end housing to house the 8 second circuit board and align the one or more light Q emitting diodes (LEDs) of the second circuit board with 10 the second opening and the second end of the rotatable 11 acrylic rod.

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1	5. (Cancelled)
1	6. (Currently Amended) The light of claim 1, wherein
2	the one or more light emitting diodes (LEDs) emit an
_	
3	incoherent light for dispersion out of out into the
4	rotatable acrylic rod.
1	7. (Currently Amended) A [[The]] light of claim 1,
2	comprising:
3	a first circuit board including one or more light
4	emitting diodes (LEDs) to generate photons, each of the
5	one or more light emitting diodes (LEDs) having an
6	optical axis;
7	an acrylic rod having a first end, a second end,
8	and a central optical axis;
9	a first end housing having a first opening through
10	which the first end of the acrylic rod is inserted, the
11	first end housing to house the first circuit board and
12	align the one or more light emitting diodes (LEDs) of
13	the first circuit board with the first opening and the
14	first end of the acrylic rod such that the optical axis
15	of each of the one or more light emitting diodes (LEDs)
16	of the first circuit board is substantially in parallel
17	with the central optical axis of the acrylic rod; and

proportional to a desired wavelength of light.

wherein the length of the rotatable acrylic rod is

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8. (Currently Amended) \underline{A} [[The]] light of claim-1,

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2	wherein comprising:
3	a first circuit board including one or more light
4	emitting diodes (LEDs) to generate photons, each of the
5	one or more light emitting diodes (LEDs) having an
6	optical axis;
7	an acrylic rod having a first end, a second end,
8	and a central optical axis;
9	a first end housing having a first opening through
10	which the first end of the acrylic rod is inserted, the
11	first end housing to house the first circuit board and
12	align the one or more light emitting diodes (LEDs) of
13	the first circuit board with the first opening and the
14	first end of the acrylic rod such that the optical axis
15	of each of the one or more light emitting diodes (LEDs)
16	of the first circuit board is substantially in parallel
17	with the central optical axis of the acrylic rod; and
18	wherein the diameter of the rotatable acrylic rod
19	is proportional to a desired wavelength of light.
1	9. (Currently Amended) The light of claim 1, further
2	comprising:
3	a [[first]] reflector coupled to the first circuit
4	board around the one or more light emitting diodes (LEDs) at
5	a first end, a second end of the [[first]] reflector aligned
6	with the first opening and receiving the first end of the

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rotatable acrylic rod, the [[first]] reflector to reflect

photons into the rotatable acrylic rod.

1 10. (Cancelled) The light of claim 1, further 2 comprising: 3 a reflective strip coupled down the length of the 4 rotatable acrylic rod to reflect photons out of the 5 rotatable acrylic rod. 11. (Currently Amended) The light of claim [[10]] $\underline{1}$, 1 2 wherein 3 the rotatable acrylic rod is a circular cylinder having 4 a circumference, and along the length of the rotatable acrylic rod, the 5 reflective strip encompasses a portion of the circumference 6 one hundred eight degrees of a circular 7 8 eylindrical cross-section of the rotatable acrylic rod over 9 a range from forty five degrees to one hundred eight degrees 10 inclusively. 1 12. (Currently Amended) The light of claim [[10]] 1, 2 wherein 3 the rotatable acrylic rod is a circular cylinder having 4 a circumference, and 5 along the length of the rotatable acrylic rod, the reflective strip encompasses ninety degrees of the 7 circumference a diameter of a circular eylindrical eross-8 section of the rotatable acrylic rod.

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wherein

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13. (Currently Amended) The light of claim [[10]] 1,

- 3 the rotatable acrylic rod is a circular cylinder having
- a circumference, and 4
- 5 along the length of the rotatable acrylic rod, the
- 6 reflective strip encompasses forty five degrees of the
- circumference a diameter of a circular cylindrical cross-7
- 8 section of the rotatable acrylic rod.
- 1 14. (Currently Amended) The light of claim 1, wherein
- 2 the photons are coupled into the rotatable acrylic rod
- and radiated reflected outward therefrom without the use of 3
- a fragile glass bulb or filament.
- 1 15. (Cancelled) The light of claim 1, wherein
- the light is mounted to a rack to light rack mounted
- 3 equipment.
- 1 16. (Original) The light of claim 1, wherein
- 2 the light is a light fixture to mount to a surface to
- illuminate an area.
- 17. (Previously Presented) The light of claim 1, 1
- 2 further comprising:
- 3 an electrical-to-optical controller coupled to the
- 4 first circuit board to control the one or more light
- 5 emitting diodes (LEDs); and
- 6 an on/off switch to switch the generation of
- 7 photons by the one or more light emitting diodes (LEDs)
- on and off.

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1	18. (Original) The light of claim 17, further
2	comprising:
3	an intensity selection switch to vary the
4	brightness of the generated light.
1	19. (Currently Amended) The light of claim 17, wherein
2	further comprising:
3	the one or more light emitting diodes (LEDs) are a
4	plurality of light emitting diodes (LEDs) each to
5	generate a different color of light, and
6	the light further includes
7	a color selection switch to selectively choose a
8	mixture of primary colors generated by the one or more
9	plurality of light emitting diodes (LEDs) to vary the
10	color of the generated light.
1	20. (Previously Presented) The light of claim 1,
2	further comprising:
3	a transformer to transform AC power to a safe
4	efficient power to power the one or more light emitting
5	diodes (LEDs) of the first circuit board in an
6	efficient manner.
1	21. (Currently Amended) A method of lighting without a
2	light bulb, the method comprising:
3	generating first photons of a first desired color;
4	coupling the first photons into a first end of a
5	rotatable acrylic rod;

- 6 reflecting radiating the first photons out of the
- 7 rotatable acrylic rod as light in a first direction; and
- 8 rotating the rotatable acrylic rod to reflect radiate
- 9 the first photons in a second direction different from the
- 10 first direction.
- 1 22. (Currently Amended) The method of claim 21,
- 2 further comprising:
- 3 generating second photons of the first desired color;
- 4 coupling the second photons into a second end of the
- 5 rotatable acrylic rod; and
- 6 reflecting radiating the second photons out of the
- 7 rotatable acrylic rod as light in the first direction or the.
- 8 second direction.
- i 23. (Previously Presented) The method of claim 21,
- 2 further comprising:
- 3 varying a mixture of the first photons to change the
- 4 first desired color to a second desired color differing from
- 5 the first desired color.
- 1 24. (Previously Presented) The method of claim 21,
- 2 further comprising:
- 3 uniformly varying the mixture of the first photons
- 4 generated and coupled into the rotatable acrylic rod to vary
- 5 the intensity of the light.
- 1 25. (Previously Presented) The method of claim 21,
- 2 wherein,

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         the rotatable acrylic rod is cylindrically shaped.
         26. (Previously Presented) The method of claim 21,
1
2
    wherein,
3
         the rotatable acrylic rod is clear.
         27-29. (Cancelled)
1
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         30. (Currently Amended) The method of claim 22,
2
    wherein
3
         the rotating of the rotatable acrylic rod to reflect
    radiate both the first photons and the second photons in the
    second direction different from the first direction.
1
         31. (Currently Amended) A light to-mount to an
2
    equipment rack to provide equipment lighting, the light
3
    comprising:
4
              a first circuit board including one or more light
 5
         emitting diodes (LEDs) to generate photons, each of the
         one or more light emitting diodes (LEDs) having an
 7
         optical axis;
8
              a second circuit board including one or more light
9
         emitting diodes (LEDs) to generate photons, each of the
         one or more light emitting diodes (LEDs) having an
10
11
         optical axis;
12
              a rotatable acrylic rod having a first end,
13
         [[and]] a second end, a central optical axis, and a
14
         reflective strip along a substantial length thereof,
15
         the reflective strip to reflect photons outwards
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through the rotatable acrylic rod towards a direction the rotatable acrylic rod to rotate to change a direction of radiation of light; a first circuit board including one or more light emitting diodes (LEDs) to generate photons, an optical axis of each of the one or more light emitting diodes (LEDs) substantially in parallel with a central optical axis of the rotatable acrylic rod at the first end;

a first end housing having a first opening through which the first end of the rotatable acrylic rod is inserted, the first end housing to house the first circuit board and align the one or more light emitting diodes (LEDs) of the first circuit board with the first opening and the first end of the rotatable acrylic rod such that the optical axis of each of the one or more light emitting diodes (LEDs) of the first circuit board is substantially in parallel with the central optical axis of the rotatable acrylic rod;

a-second-circuit board including one or more light emitting diodes (LEDs) to generate photons, an optical axis of each of the one or more light emitting diodes (LEDs) substantially in parallel with the central optical axis of the rotatable acrylic rod at the second end; and

a second end housing having a second opening through which the second end of the <u>rotatable</u> acrylic rod is inserted, the second end housing to house the second circuit board and align the one or more light emitting diodes (LEDs) of the second circuit board with

- 45 the second opening and the second end of the rotatable acrylic rod such that the optical axis of each of the 46 one or more light emitting diodes (LEDs) of the second 47 circuit board is substantially in parallel with the 48 49 central optical axis of the rotatable acrylic rod; and 50 wherein the rotatable acrylic rod being rotatable within the first and second openings of the respective 51 52 first and second end housings to change the direction 53 of the reflected photons. 1 32. (Previously Presented) The light of claim 31,

 - 2 wherein
 - 3 the rotatable acrylic rod is clear.
 - 33. (Previously Presented) The light of claim 31, 1
 - 2 wherein
 - 3 the rotatable acrylic rod is cylindrical.
 - 1 34. (Cancelled)
 - 35. (Currently Amended) The light of claim 31, wherein 1
 - 2 the one or more light emitting diodes (LEDs) emit an
 - 3 incoherent light for dispersion out of out into the
 - rotatable acrylic rod.
 - 36. (Previously Presented) The light of claim 31, 1
 - 2 wherein
 - 3 a length of the rotatable acrylic rod is proportional

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to a desired wavelength of light.

- 1 37. (Previously Presented) The light of claim 31,
- 2 wherein
- 3 a diameter of the rotatable acrylic rod is proportional
- 4 to a desired wavelength of light.
- 1 38. (Previously Presented) The light of claim 31,
- 2 further comprising:
- 3 a first reflector coupled to the first circuit board
- 4 around the one or more light emitting diodes (LEDs) at a
- 5 first end, a second end of the first reflector aligned with
- 6 the first opening and receiving the first end of the
- 7 rotatable acrylic rod, the first reflector to reflect
- 8 photons into the rotatable acrylic rod;
- 9 a second reflector coupled to the second circuit board
- 10 around the one or more light emitting diodes (LEDs) at a
- 11 second end, a second end of the first reflector aligned with
- 12 the second opening and receiving the second end of the
- 13 rotatable acrylic rod, the second reflector to reflect
- 14 photons into the rotatable acrylic rod.
- 1 39. (Cancelled) The light of claim 31, further
- 2 comprising:
- 3 a reflective strip coupled down the length of the
- 4 rotatable acrylic rod to reflect photons out of the
- 5 rotatable acrylic rod.
- 1 40. (Currently Amended) The light of claim 31 [[39]],
- 2 wherein

- 3 the rotatable acrylic rod is a circular cylinder having 4 a circumference, and 5 along the length of the rotatable acrylic rod, the 6 reflective strip encompasses a portion of the circumference 7 one hundred eight degrees of a diameter of a circular 8 evlindrical cross-section of the rotatable acrylic rod over 9 a range from forty five degrees to one hundred eight degrees 10 inclusively. 1 41. (Currently Amended) The light of claim 31 [[39]], 2 wherein 3 the rotatable acrylic rod is a circular cylinder having 4 a circumference, and 5 along the length of the rotatable acrylic rod, the 6 reflective strip encompasses ninety degrees of the 7 circumference a diameter of a circular cylindrical crosssection of the rotatable acrylic rod. 1 42. (Currently Amended) The light of claim 31 [[41]], 2 wherein 3 the rotatable acrylic rod is a circular cylinder having 4 a circumference, and 5 along the length of the rotatable acrylic rod, the reflective strip encompasses forty five degrees of the 6 circumference a diameter of a circular cylindrical crosssection of the rotatable acrylic rod.
- 1 43. (Currently Amended) The light of claim 31, wherein

2	the photons are coupled into the rotatable acrylic rod
3	and radiated reflected outward therefrom without the use of
4	a fragile glass bulb or filament.
1	44. (Previously Presented) The light of claim 31,
2	further comprising:
3	an electrical-to-optical controller coupled to the
4	first circuit board to control the one or more light
5	emitting diodes (LEDs); and
6	an on/off switch to switch the generation of
7	photons by the one or more light emitting diodes (LEDs)
8	on and off.
1	45. (Previously Presented) The light of claim 44,
2	further comprising:
3	an intensity selection switch to vary the
4	brightness of the generated light.
1	46. (Currently Amended) The light of claim 45, whereir
2	further comprising:
3	the one or more light emitting diodes (LEDs) of
4	the first and second circuit boards are a plurality of
5	light emitting diodes (LEDs) each to generate a
6	different color of light, and
7	the light further includes
8	a color selection switch to selectively choose a
9	mixture of primary colors generated by the one or more
10	plurality of light emitting diodes (LEDs) to vary the
11	color of the generated light.

- 1 47. (Previously Presented) The light of claim 31,
- 2 further comprising:
- 3 a transformer to transform AC power to a safe
- 4 efficient power to power the one or more light emitting
- 5 diodes (LEDs) of the first and second circuit boards in
- 6 an efficient manner.
- 1 48. (Cancelled) The light of claim 1, wherein
- 2 the length of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.
- 1 49. (Cancelled) The light of claim 1, wherein
- 2 the diameter of the rotatable acrylic rod is
- 3 proportional to a desired frequency of light.
- 1 50. (Cancelled) The light of claim 31, wherein
- 2 a length of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.
- 1 51. (Cancelled) The light of claim 31, Wherein
- 2 a diameter of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.
- 1 52. (New) The light of claim 7, further
- 2 comprising:
- 3 a second circuit board including one or more light
- 4 emitting diodes (LEDs) to generate photons, each of the

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one or more light emitting diodes (LEDs) having an 5 optical axis; and 6 a second end housing having a second opening 7 through which the second end of the acrylic rod is 8 9 inserted, the second end housing to house the second circuit board and align the one or more light emitting 10 11 diodes (LEDs) of the second circuit board with the second opening and the second end of the acrylic rod 12 13 such that the optical axis of each of the one or more light emitting diodes (LEDs) of the second circuit 14 15 board is substantially in parallel with the central optical axis of the acrylic rod. 16

1 53. (New) The light of claim 8, further
2 comprising:

a second circuit board including one or more light emitting diodes (LEDs) to generate photons, each of the one or more light emitting diodes (LEDs) having an optical axis; and

a second end housing having a second opening through which the second end of the acrylic rod is inserted, the second end housing to house the second circuit board and align the one or more light emitting diodes (LEDs) of the second circuit board with the second opening and the second end of the acrylic rod such that the optical axis of each of the one or more light emitting diodes (LEDs) of the second circuit board is substantially in parallel with the central optical axis of the acrylic rod.

The light of claim 17, wherein 1 54. (New) each of the one or more light emitting diodes (LEDs) are a multi-color light emitting diode to 3 generate various colors of light, and 4 the light further includes 5 a color selection switch to selectively choose a 6 mixture of primary colors generated by the one or more 7 light emitting diodes (LEDs) to vary the color of the 8 9 generated light.

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- The method of claim 21, wherein 1 55. (New) the first photons are reflected out of the rotatable 2 acrylic rod by a reflective strip coupled to the rotatable 3 acrylic rod along a substantial length thereof. 4
- The method of claim 22, wherein 1 56. (New) 2 the first photons and the second photons are reflected out of the rotatable acrylic rod by a reflective strip 3 coupled to the rotatable acrylic rod along a substantial 4 5 length thereof.
- The method of claim 21, wherein 1 57. (New) the first photons are generated by at least one light 2 3 emitting diode (LED).
- 1 The method of claim 22, wherein 58. (New) 2 the first photons and the second photons are each generated by at least one light emitting diode (LED). 3

1 59. (New) The method of claim 21, wherein the first desired color differs from white. 1 60. (New) The method of claim 22, wherein 2 the first desired color differs from white. The method of claim 22, wherein 61. (New) 1 2 prior to generating the first photons and the second 3 photons, the method further includes rotatably mounting the rotatable acrylic rod to an 4 5 equipment rack to provide equipment lighting. The light of claim 31, wherein 1 62. (New) 2 the light is a rack light mounted to an equipment rack 3 to provide equipment lighting. The light of claim 45, wherein 1 2 each of the one or more light emitting diodes 3 (LEDs) of the first and second circuit boards are a 4 multi-color light emitting diode to generate various 5 colors of light, and the light further includes 6 7 a color selection switch to selectively choose a

generated light.

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mixture of primary colors generated by the one or more

light emitting diodes (LEDs) to vary the color of the